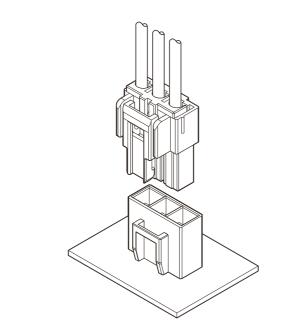


L CONNECTOR (HIGH CURRENT TYPE)

6.2mm pitch/Disconnectable Crimp style connectors

(Combined use for both wire-to-board and wire-to-wire connections)



This VL connector is 6.2 mm pitch wire-towire and wire-to-board connector, designed for large current. The connector suitable for the large electric current has been realized by using highly-conducting material, so that the connection of large current circuit enables.

- Housing lances
- Retainer
- Suited for large current
- Compatible for both wire-to-wire and wire-toboard connections

Specifications -

- Current rating: 23 A AC, DC (Refer to the following table.)
- Voltage rating: 600 V AC, DC
- Temperature range: -25°C to +90°C (including temperature rise in applying electrical current)
 Contact resistance: Initial value/ 7 mΩ max.
 - After environmental tests/ 10 m Ω max.
- Insulation resistance: $1,000 \text{ M}\Omega$ min.
- Withstanding voltage: 2,000 VAC/minute
- Applicable wire: AWG #20 to #12
- Applicable PC board thickness: 1.6 mm
- Note: Do not branch in parallel current which exceeds the rated current (e.g. more than 22 A in the case of 3 circuits with AWG #12). If branched in parallel, current imbalance or other problems may develop. If it is absolutely necessary to branch such a large current in parallel, design the circuits without causing any imbalance and provide an extra margin for each circuit.
- Note: The current rating differs depending on the number of circuits and the wire size used in each connector. The table below lists the current rating as a function of the number of circuits and the wire size.

					Current unit. A
No. of	Wire size (AWG)				
circuits	#12	#14	#16	#18	#20
2	23	18	15	11	9
3	22	17	14	10	8
4	21	16	13	9	8

* The current rating mentioned above is applied only in the combination of contact and header for high current. When either is a normal product, please be careful because the current rating of the normal product is applied.

- * In using the products, refer to "Handling Precaution for Terminal and Connector" described on our website (Technical documents of Product information page).
- * Contact JST for details.
- * RoHS2 compliance

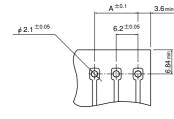
Standards -

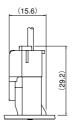
- Recognized E60389
- Gertified LR20812
- A R9351103

PC board layout and Assembly layout

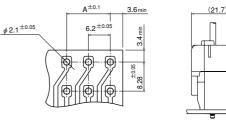
Outer-housing lock

<2, 3, 4	(Single-row)	circuits>
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<4 circuits>



Note: 1. The above figure is the figure viewed from soldering side.

2. Tolerances are non-cumulative: ±0.05 mm for all centers.

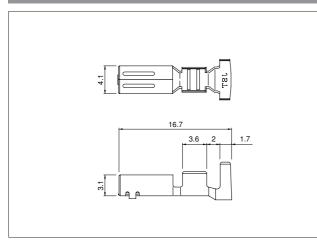
3. Hole dimensions differ according to the type of PC board and piercing method. The dimensions above should serve as a guideline. Contact JST for details.



29.2)

VL CONNECTOR (HIGH CURRENT TYPE)



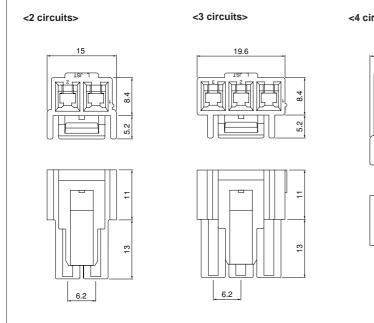


Model No.		Applicable wire		Insulation O.D.		Q'ty/	
woder no.	1	mm²	AWO	G#	(mm)		reel
SVSF-61T-P2.) 0.5	5~2.0	20~	·14	1.9~	~3.4	2,000
SVSF-81T-P2.0	0	3.5	12	2	4.1 2		2,000
Material and Finish							
Phosphor bronze, tin-plated (reflow treatment)							
RoHS2 compliar	ice						
Contact	Crimping	Applicator					
Contact	machine	Crimp ap	plicator	[Dies	Crimp applicat	or with dies
0105 047 00 0		MKS	S-L	MK/SVF/M-61-20		APLMK SVF/M61-20	
SVSF-61T-S2.0		-	-		-	—	
	AP-K2N	MKS	S-L	MK/SV	F/M-81-20	APLMK SVF	-/M81-20

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Note: Contact JST for fully automatic crimping applicator.

Housing

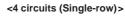


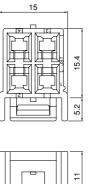


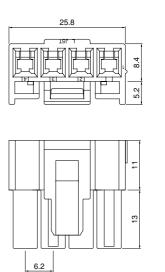




SVSF-81T-S2.0







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Outer-housing lock

6.2

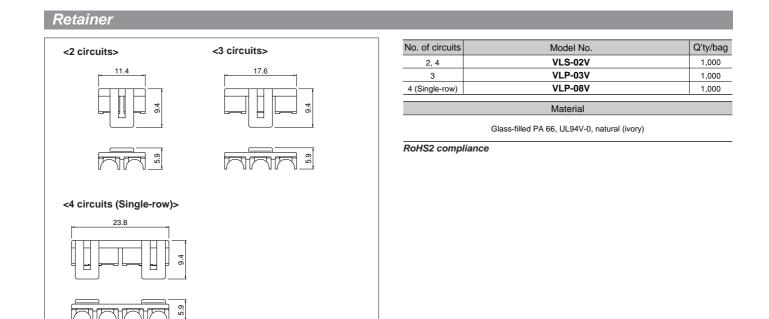
13

No. of circuits	Model No.	Q'ty/bag
2	VLP-02V-1	500
3	VLP-03V-1	500
4	VLP-04V-1	500
4 (Single-row)	VLP-04VN-1	500
	Material	

PA 66, UL94V-0, natural (white)

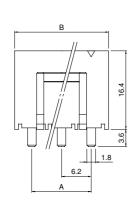
RoHS2 compliance

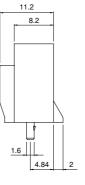
VL CONNECTOR (HIGH CURRENT TYPE)



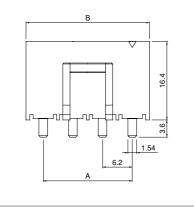
Header

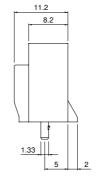




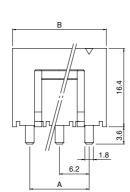


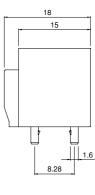
<4 circuits (Single-row)>





<4 circuits>



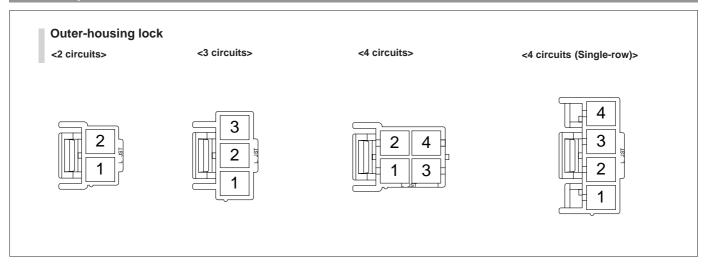


No. of circuits	Model No.	Q'ty/box
2	B02P-VL-1	100
3	B03P-VL-1	100
4	B04P-VL-1	100
4 (Single-row)	B04P-VL-VN-1	100
-	Material and Finish	
	Post: Copper-alloy, tin-plated (reflow treatment) Wafer: PA 66, UL94V-0, natural (white)	

RoHS2 compliance

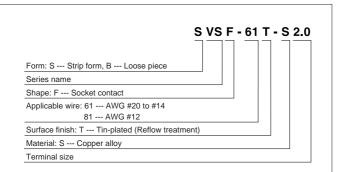
VL CONNECTOR (HIGH CURRENT TYPE)

Contact position location numbers

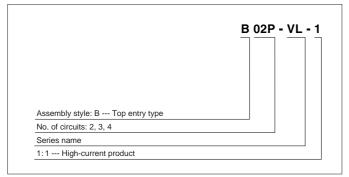


Model number identification

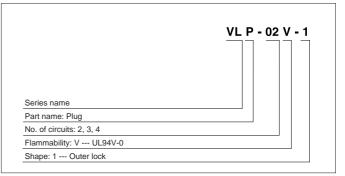
Contact



Header



Housing



Retainer

